

IN THE CLAIMS:

Please amend claims 1-5, 10, 15, and 16, as indicated below.

1. (Currently Amended) A system for securing a ~~Radio-Frequency~~ radio frequency (RF) transaction, the system comprising:

a radio frequency identification (RFID) transaction device operable to send an RF transmission, the transaction device including:

a database for storing a transaction device identifier and a transaction device authentication tag, wherein the transaction device identifier is different from the transaction device authentication tag,

a transaction device random number generator for generating a transaction device random number, the transaction device random number generator being located at the transaction device, and

a transmitter operable to transmit the transaction device identifier, the transaction device authentication tag, and the transaction device random number;

wherein the transaction device is validated based at least in part on both the transaction device identifier and the transaction device authentication tag, both having been received from the RFID transaction device; and

wherein the transaction device random number is used to lookup a previously stored decryption key for decrypting at least one of the transaction device identifier and the transaction device authentication tag, the transaction device random number having been received from the RFID transaction device.

2. (Currently Amended) A system according to claim 1, ~~wherein~~ further comprising:

a RFID reader in communication with said transaction device;

a merchant Point of Sale (POS) device in communication with said RFID reader; and

an account authorizing agent in communication with said merchant POS.

3. (Currently Amended) A system according to claim 2, wherein said RFID reader ~~comprises:~~ includes:

a reader random number generator for producing a reader random number.

4. (Currently Amended) A system according to claim 3, wherein said RFID reader further ~~comprises:~~ includes:

a processor in communication with said reader random number generator;

and

a reader database for storing a RFID reader identifier.

5. (Currently Amended) A system according to claim 2, wherein said transaction device random number generator is operable to provide said transaction device random number to said RFID reader,

wherein said reader is operable to provide said transaction device random number to said POS, and

wherein said POS is configured to provide the transaction device random number to said account authorizing agent system.

6. (Original) A system according to claim 5, wherein said RFID reader is operable to provide said transaction device identifier to said merchant POS.

7. (Original) A system according to claim 6, wherein at least one of said transaction device identifier and said transaction device random number is provided to said RFID reader in track 1/track 2 International Standards Setting Organization format.

8. (Previously Presented) A system according to claim 6, wherein at least one of said transaction device identifier and said transaction device random number is provided to said RFID reader in a POS pre-defined format.

9. (Original) A system according to claim 6, wherein said authorizing agent system is configured to validate said transaction device identifier in accordance with said transaction device random number.

10. (Currently Amended) A system according to claim 4, wherein said RFID reader random number generator is operable to provide said reader random number to said POS, and

wherein said POS is configured to provide at least one of said transaction device random number, transaction device identifier, and reader RFID reader random number to said account authorizing agent system.

11. (Original) A system according to claim 10, wherein said RFID reader is operable to provide at least one of said transaction device random number, transaction device identifier, and reader RFID reader random number to said merchant POS.

12. (Original) A system according to claim 10, wherein at least one of said transaction device random number, transaction device identifier, and reader RFID reader random number is provided to said RFID reader in track 1/track 2 International Standards Setting Organization format.

13. (Previously Presented) A system according to claim 10, wherein at least one of said transaction device random number, transaction device identifier, and reader RFID reader random number is provided to said RFID reader in a POS pre-defined format.

14. (Original) A system according to claim 10 , wherein said authorizing agent system is configured to validate at least one of said transaction device and said RFID reader, in accordance with said at least one of said transaction device random number, transaction device identifier, and reader RFID reader random number transaction device random number.

15. (Currently Amended) A method for securing a transaction comprising the steps of:

providing a radio frequency identification (RFID) transaction device, the transaction device including a random number generator, wherein the transaction device is

associated with a transaction device identifier and a transaction device authentication tag, the transaction device identifier being different from the transaction device authentication tag;

generating a transaction device random number at the transaction device;

transmitting the transaction device identifier, the transaction device authentication tag, and the transaction device random number; and

validating the transaction device based at least in part on both the transaction device identifier and the transaction device authentication tag, both having been received from the transaction device, wherein the transaction device random number is used to lookup a previously stored decryption key for decrypting at least one of the transaction device identifier and the transaction device authentication tag, the transaction device random number having been received from the transaction device.

16. (Currently Amended) A method according to claim 15, further ~~including~~ comprising the steps of:

providing a transaction device reader, the reader including a reader random number generator;

providing a reader random number generator for generating a reader random number; and

validating at least one of the transaction device and the reader in accordance with at least one of the transaction device random number and the reader random number.

17. (Previously Presented) A method for securing a transaction comprising the steps of:

providing a transaction device, the transaction device including a random number generator, wherein the transaction device is associated with a transaction device identifier and a transaction device authentication tag, the transaction device identifier being different from the transaction device authentication tag;

providing a transaction device reader, wherein the transaction device reader is associated with a reader authentication tag;

generating a transaction device random number at the transaction device;

transmitting, from the transaction device, the transaction device identifier, the transaction device authentication tag, and the transaction device random number to the transaction device reader;

transmitting, from the transaction device reader, the transaction device identifier, the transaction device authentication tag, the transaction device random number, and the transaction device authentication tag to an account issuer associated with the transaction device;

validating, at the account issuer, the transaction device based at least in part on both the transaction device identifier and the transaction device authentication tag, both having been received from the transaction device, wherein the transaction device random number is used to decrypt at least one of the transaction device identifier and the transaction device authentication tag, the transaction device random number having been received from the transaction device; and

validating, at the account issuer, the transaction device reader based at least in part on the transaction device reader authentication tag, wherein the transaction device random number is used to decrypt the transaction device reader authentication tag.

18. (Canceled)

19. (Previously Presented) A system according to claim 1, wherein the transaction device random number is converted to a validating code and then used to validate the transaction device.

20. (Previously Presented) A system according to claim 1, wherein a new transaction device random number is generated for each transaction.